



Proteggere i Dati Aziendali on-premises e nel cloud

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Cyber Security Practice Lead, Global

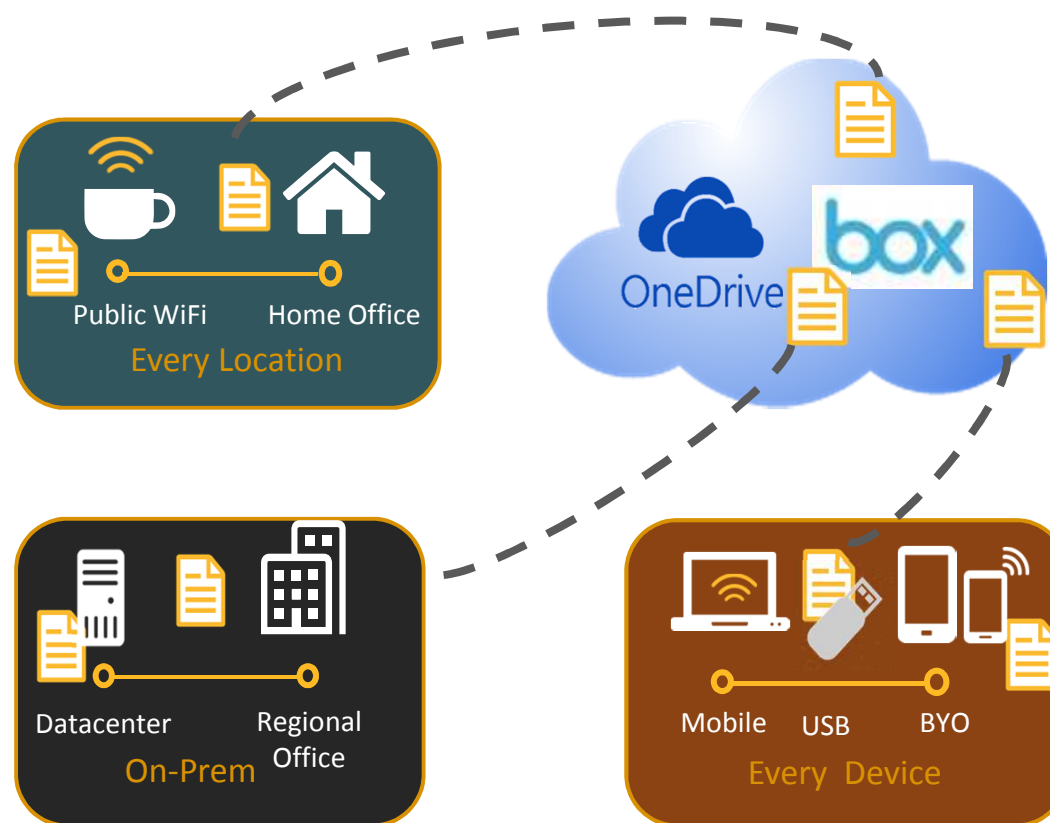
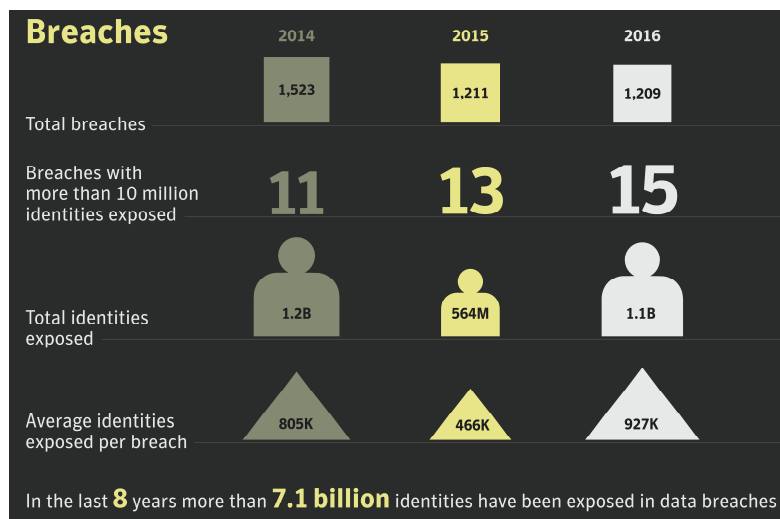


Agenda

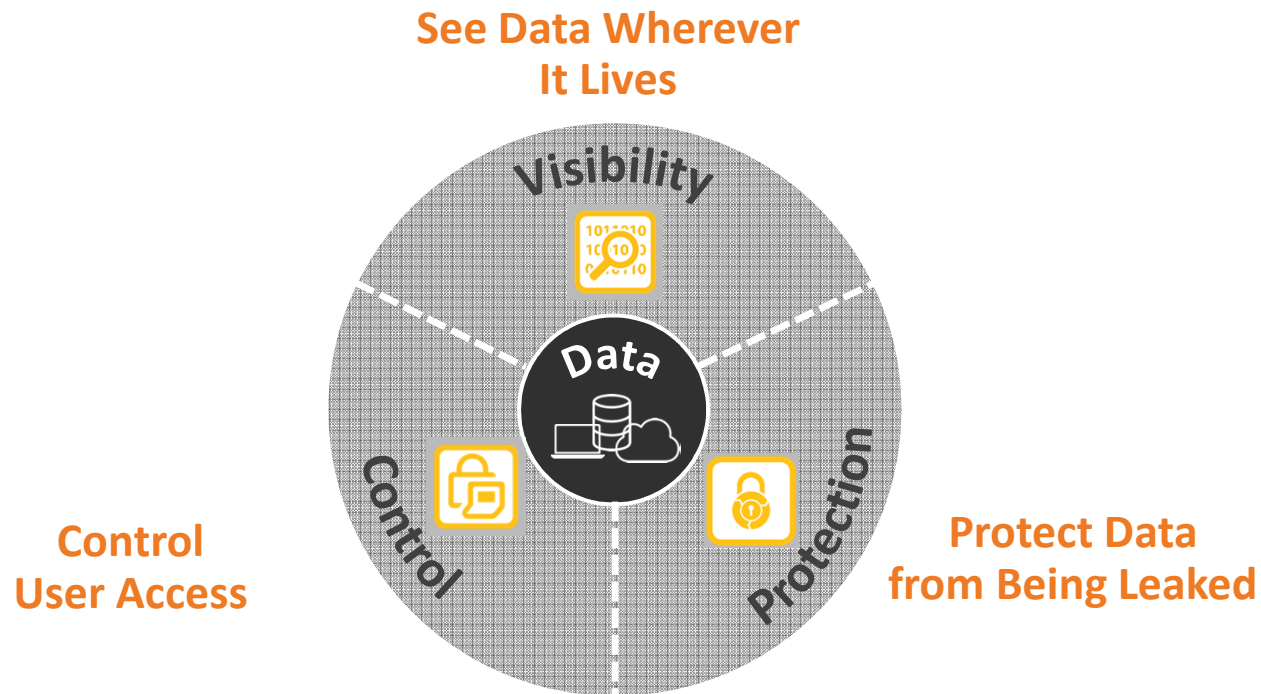
1	Symantec Information Centric Encryption Introduction
2	Common business objectives addressed by Symantec Information Centric Encryption
3	Technical Architecture Overview
4	Symantec Services



Challenges with information protection in the cloud



Delivering Information Centric Security



Symantec Information Centric Security(ICS) Components

- ✓ **Data Loss Prevention (DLP)**

Discovers sensitive data across all channels with central policy controls

- ✓ **CloudSOC (CASB)**

Extends existing DLP policies, workflows, and detection to Cloud Apps

- ✓ **Validation and ID Protection Service (VIP)**

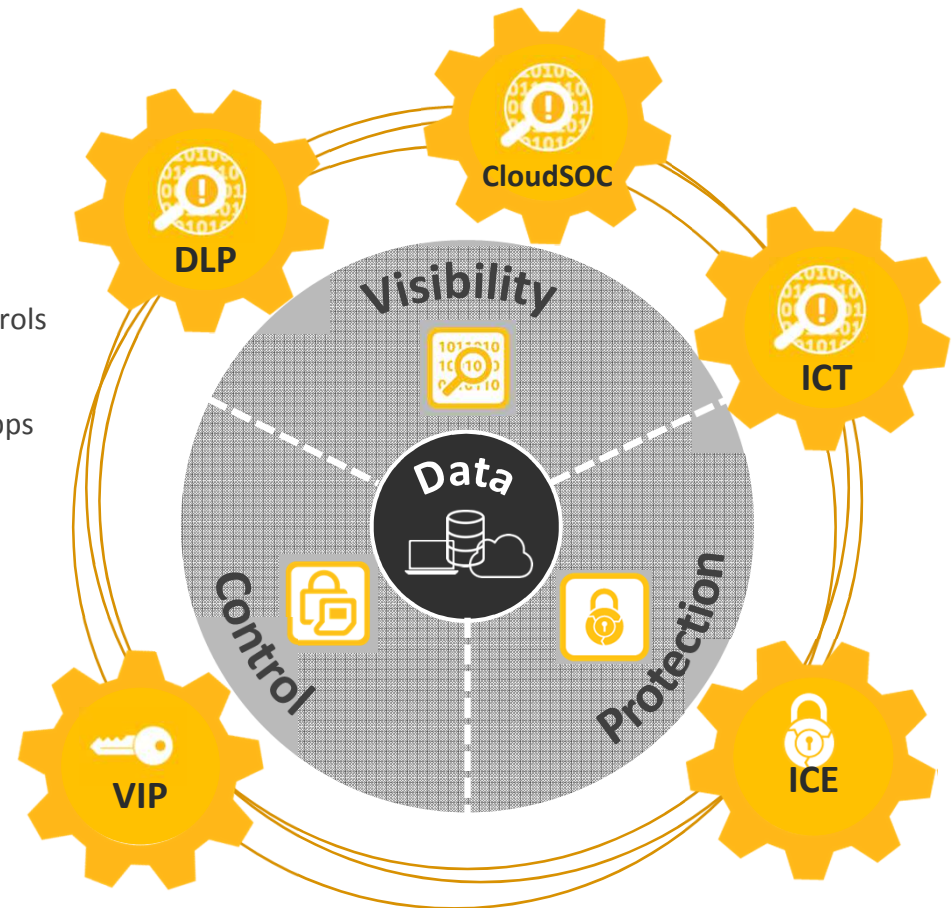
Secures access to critical data with Multi-Factor Authentication

- ✓ **NEW Information Centric Encryption (ICE)**

Integrated policy driven encryption and identity access

- ✓ **NEW Information Centric Tagging (ICT)**

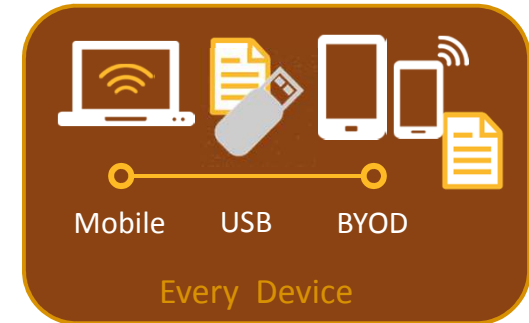
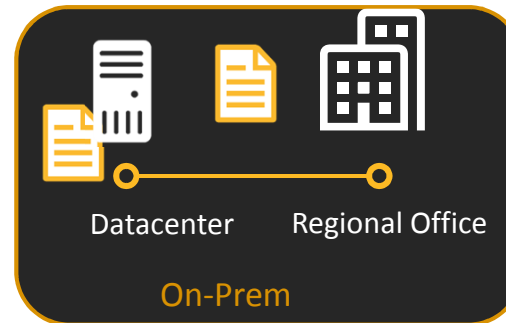
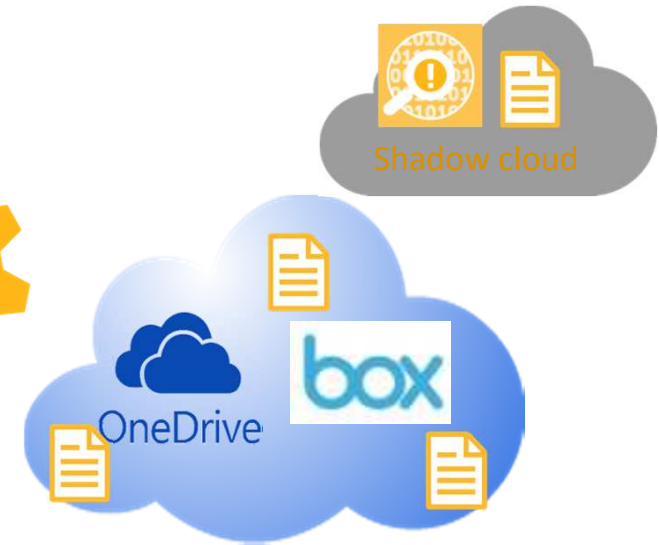
Increases DLP efficiency with User driving DLP tagging



How do I get visibility of sensitive data?

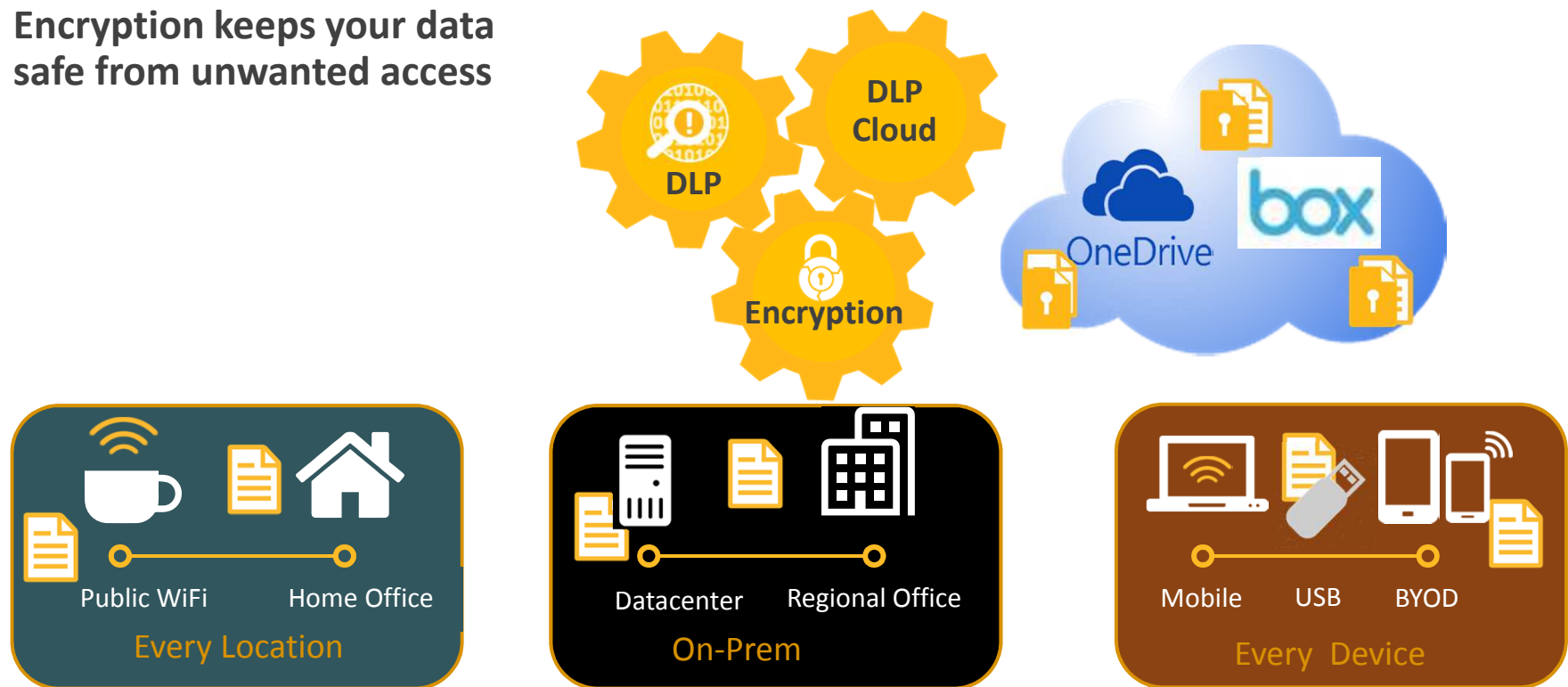
DLP gives visibility of sensitive data across any channel.

DLP Cloud + CloudSOC gives visibility of Shadow IT in sanctioned and unsanctioned cloud apps.



How do I protect my data when it is outside of my control?

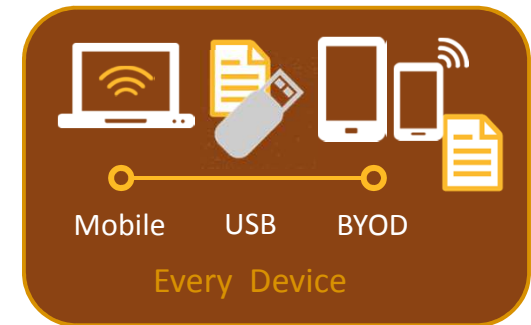
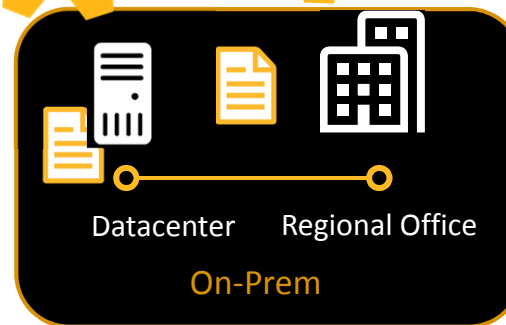
Encryption keeps your data safe from unwanted access



How can I ensure my data will not be compromised?

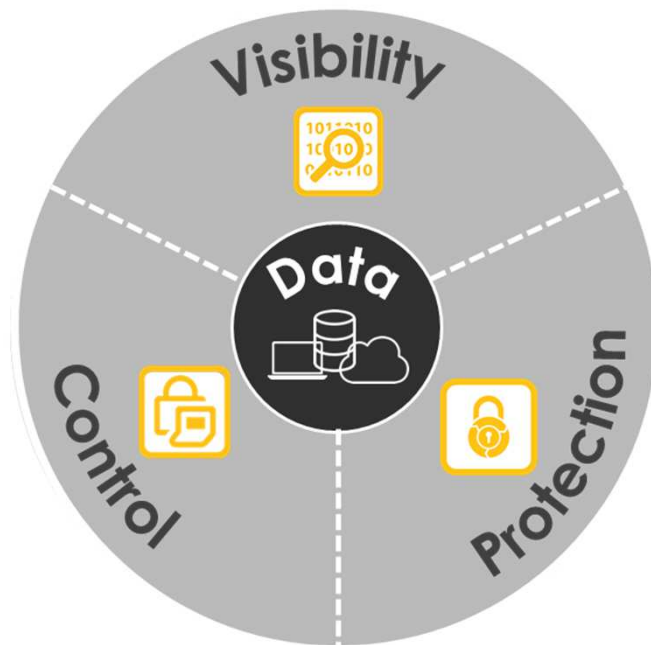
Multi-Factor Authentication (MFA)
controls access by
protecting your data from
stolen credentials

ICE supports other SAML
v2.0 solutions



Allow the right people to access the right data by ...

...monitoring its flow...



...protecting it
wherever it goes...

...controlling access
and keeping it out of the
wrong hands

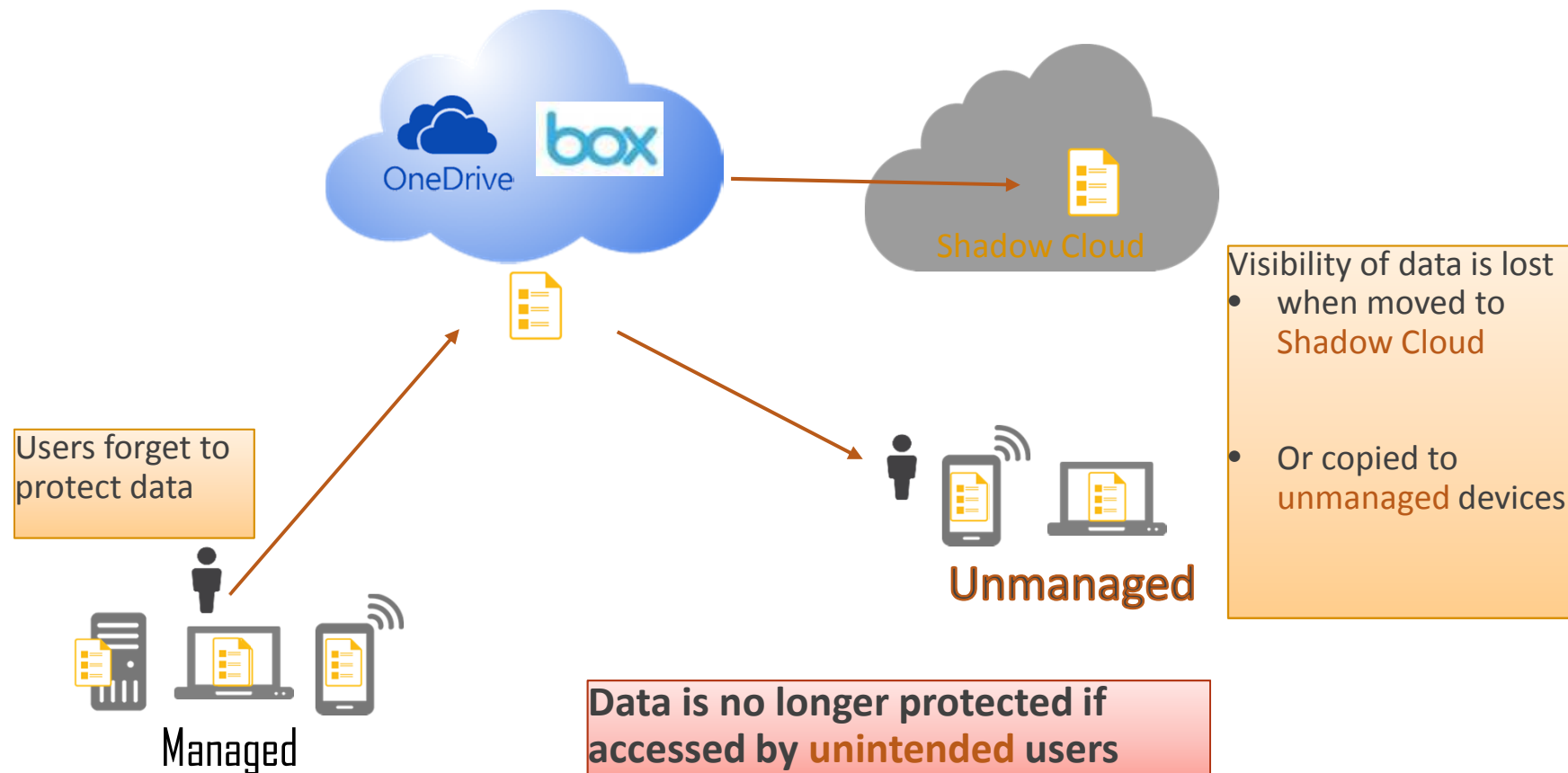


Symantec Information Centric Encryption

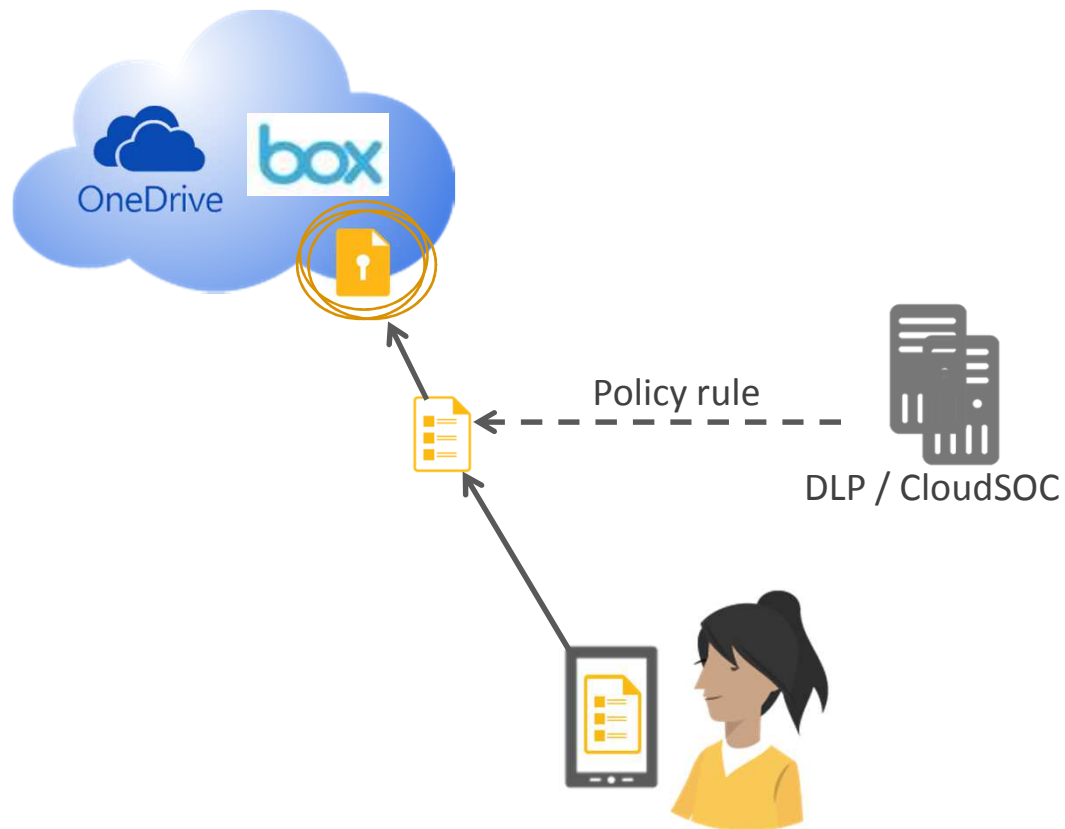
Addressing Business Objectives



Challenge: I need to protect data on premise, in the cloud, and on mobile

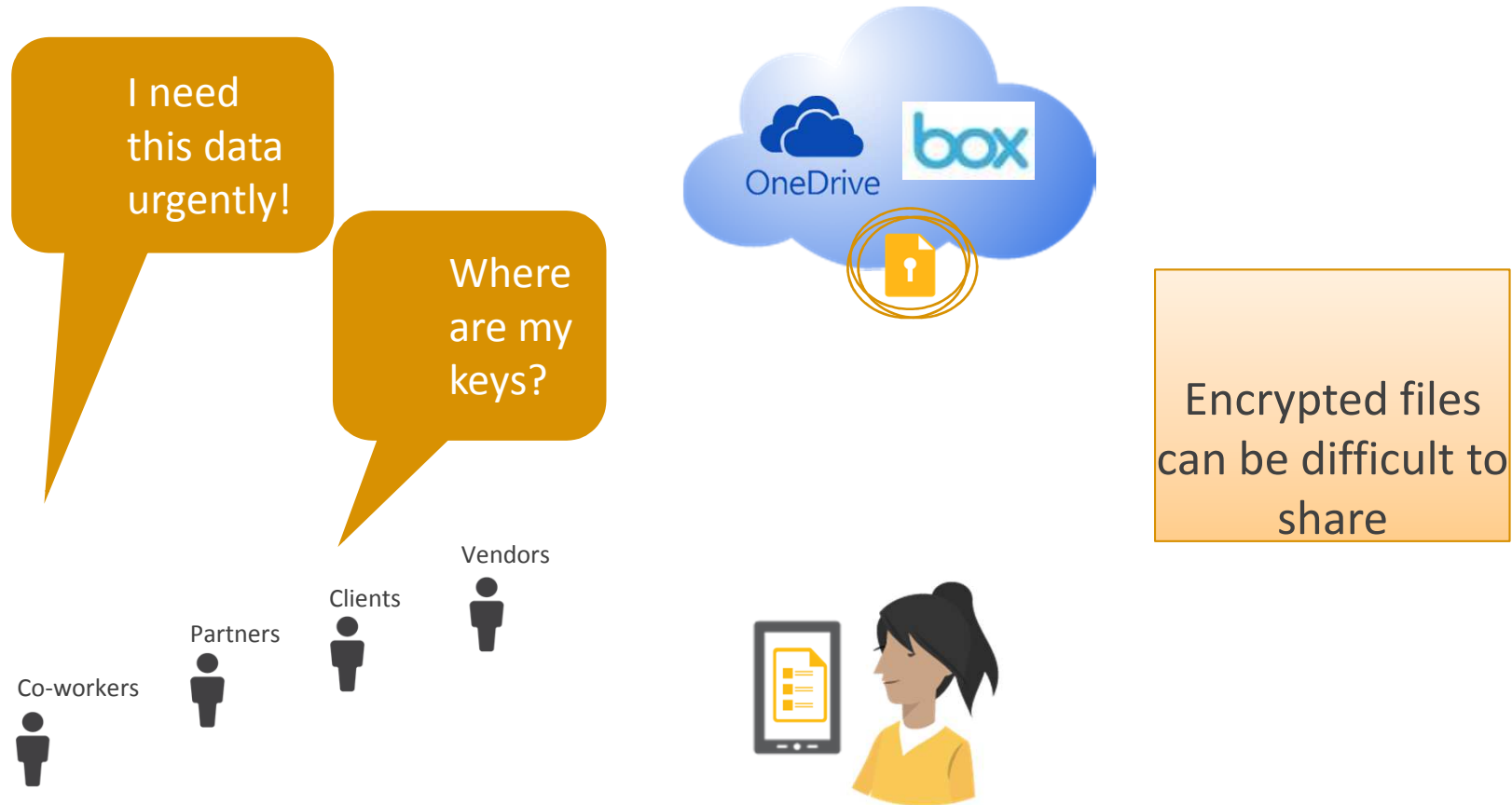


Solution: Enforce encryption before data is moved out of the organisation

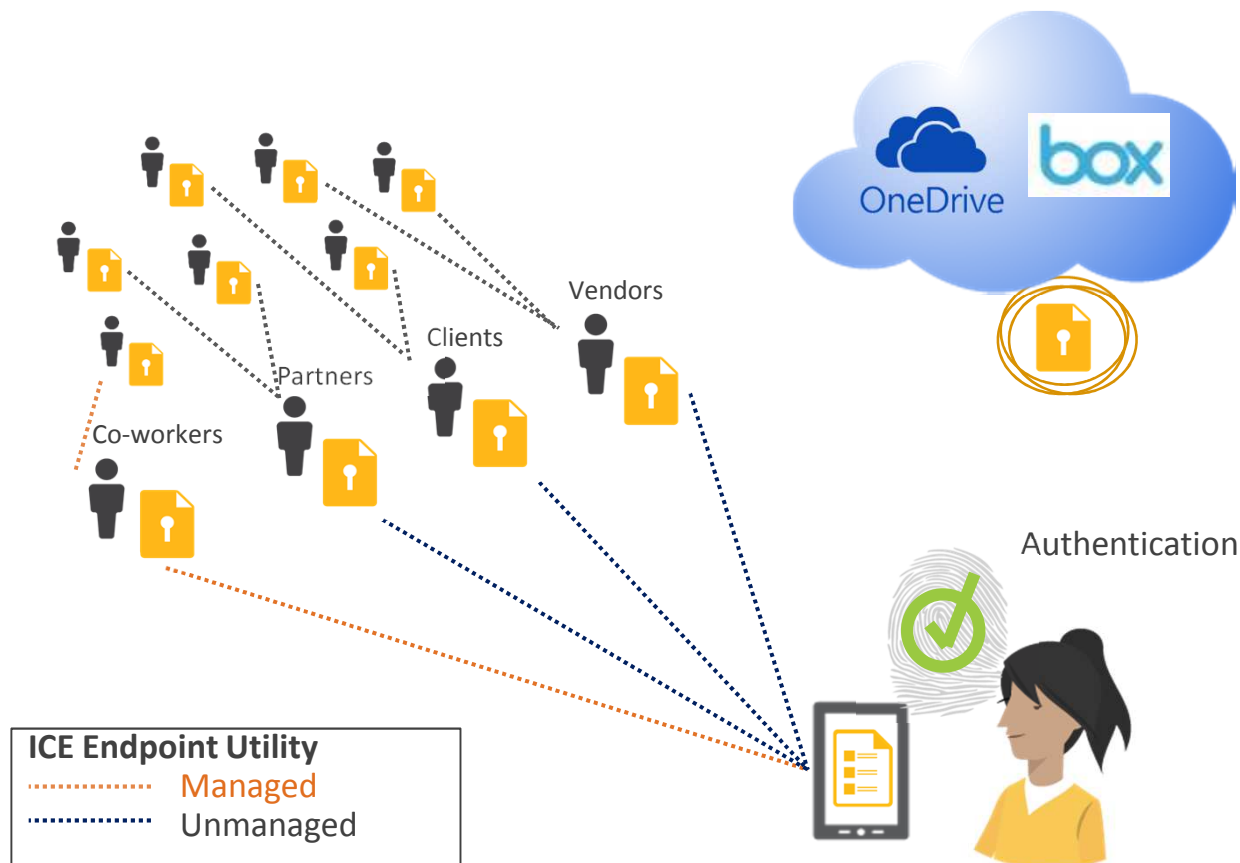


1. CloudSOC intercepts file
2. Automated DLP policies ensure file is protected
3. ICE encrypts the data and creates a protective wrapper around the data

Challenge: Sharing data in the cloud can be risky and inefficient

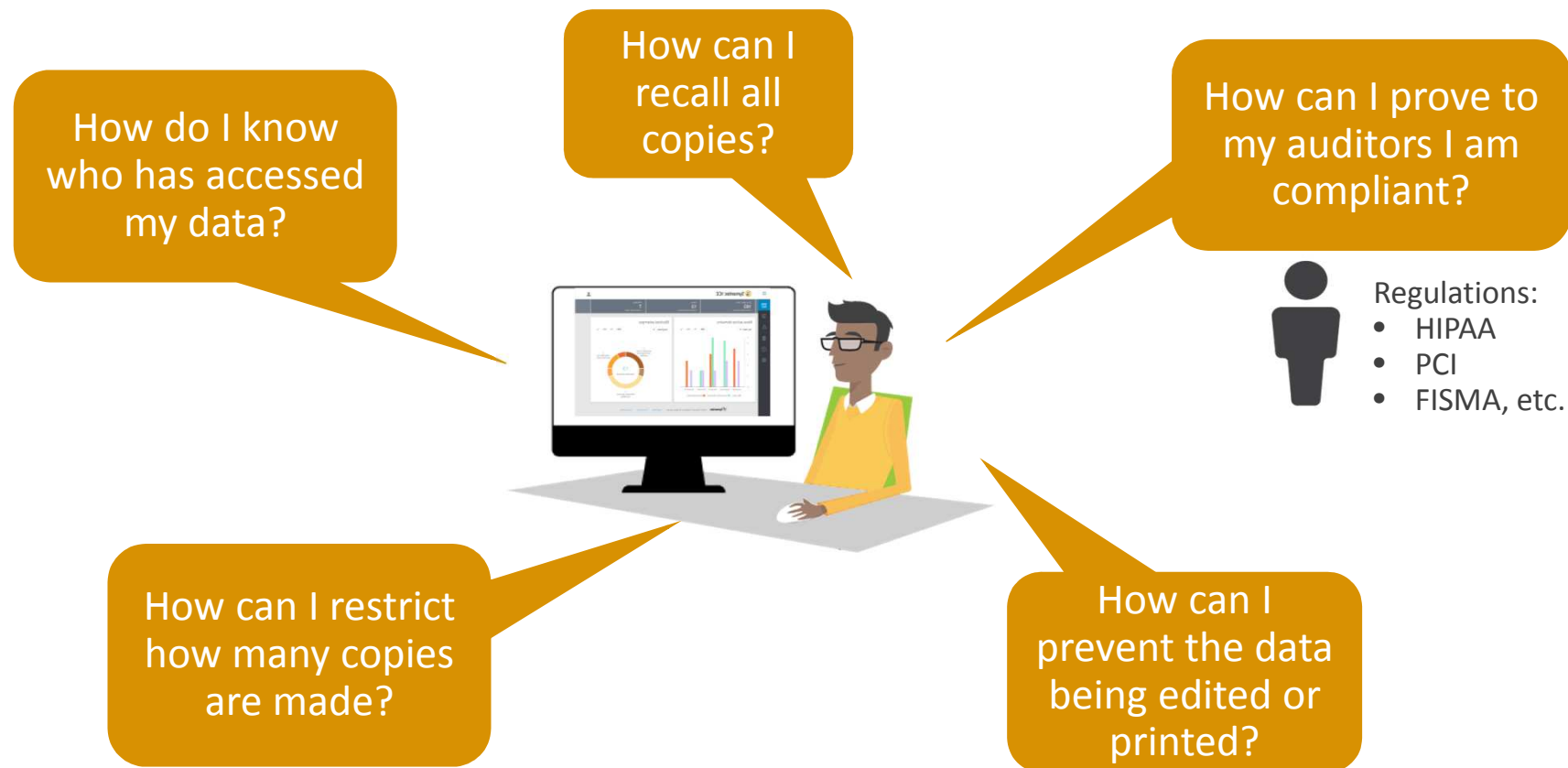


Solution: Manages encryption and keys for easy data sharing



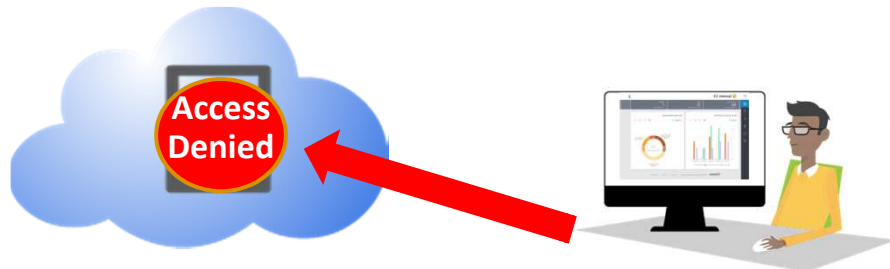
- ICE identity services ensures efficient authentication
- CloudSOC encrypts using ICE libraries
- Windows and Mac ICE Endpoint Utility supported
- Unmanaged users need to download utility and register

Challenge: How can I remain in control of my data and prove it?



Solution: Ensure compliance using report data and access controls

- Monitor sensitive data movement within the cloud
- Show lifecycle of data wherever it resides
- Control user access even when data is outside of the organization



File Details

LogosRUs.docx
FILE NAME

ac97e05e-7e28-426d-828b-818ff2ddb126
FILE ID

Icedata Elastica
OWNER

7 / 34
FAILED / TOTAL ACCESS ATTEMPTS

Enabled
ACCESS STATE

Mar 08, 2017 05:31 PM
REGISTRATION DATE

Mar 10, 2017 07:02 PM
LAST ACCESSED

4
USERS

- User and file history
- user email
- filename
- time of access
- OS details

Activity | **User access**

Search

The following actions were performed on this file.

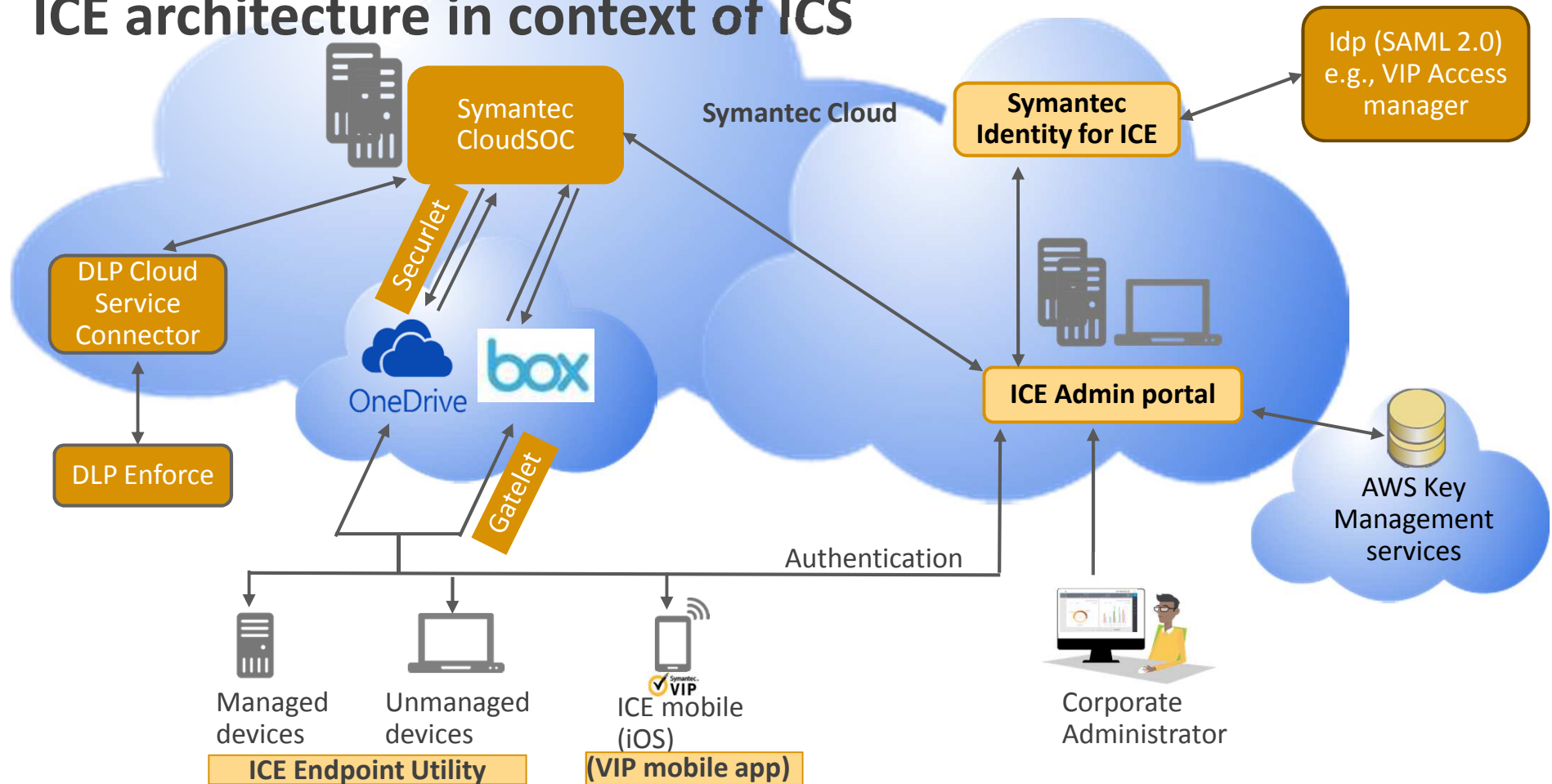
	Event Id	Action	User	Platform	At
📄	16998	Accessed	nikhilsinha@icedat...	Windows 6.1.7601 ...	Mar 10, 2017 07:02...
📄	16920	Accessed	nikhilsinha@icedat...	Windows 6.1.7601 ...	Mar 10, 2017 04:09...
📄	16919	Accessed	nikhilsinha@icedat...	Windows 6.1.7601 ...	Mar 10, 2017 04:07...



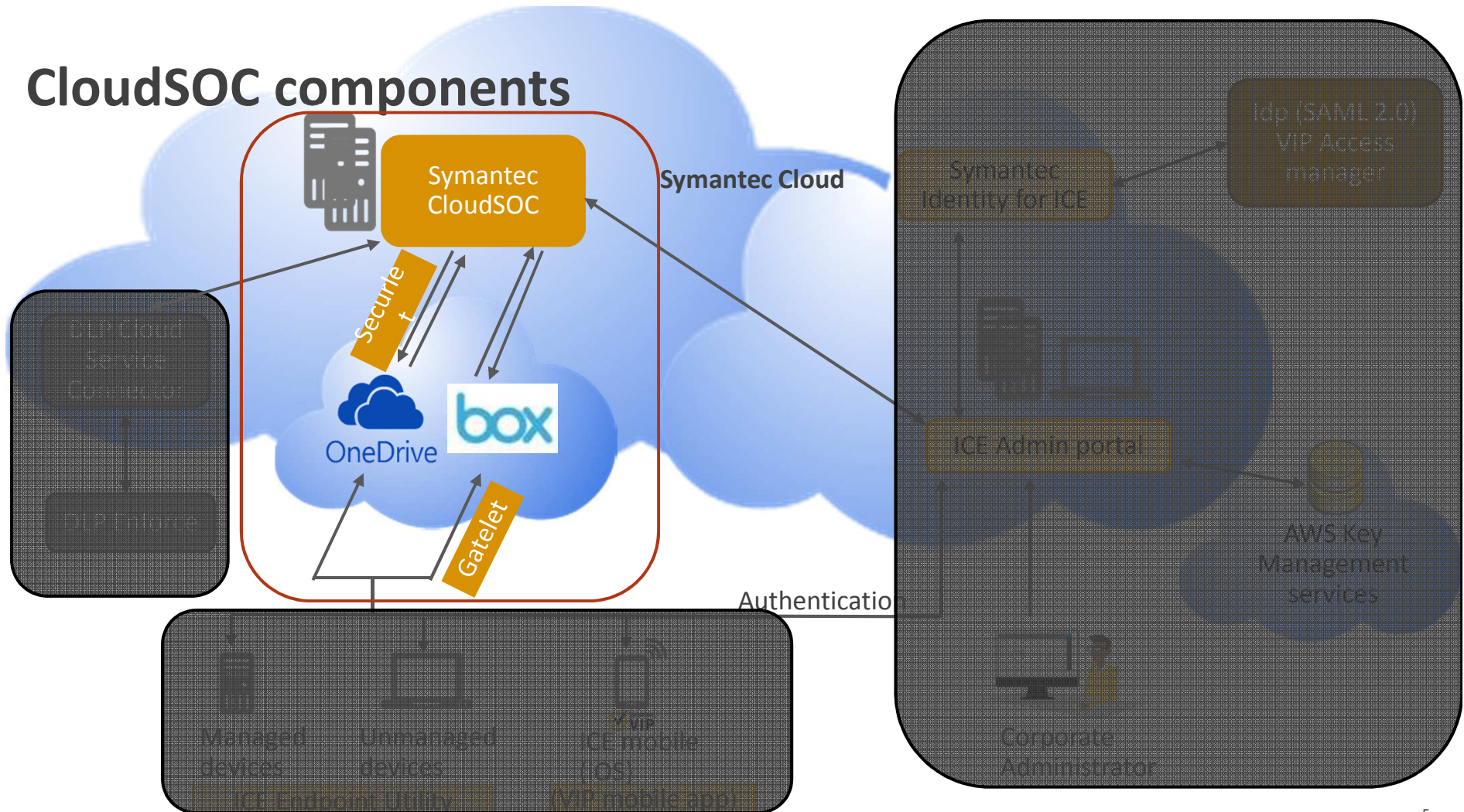
Symantec Information Centric Encryption

Technical Architecture

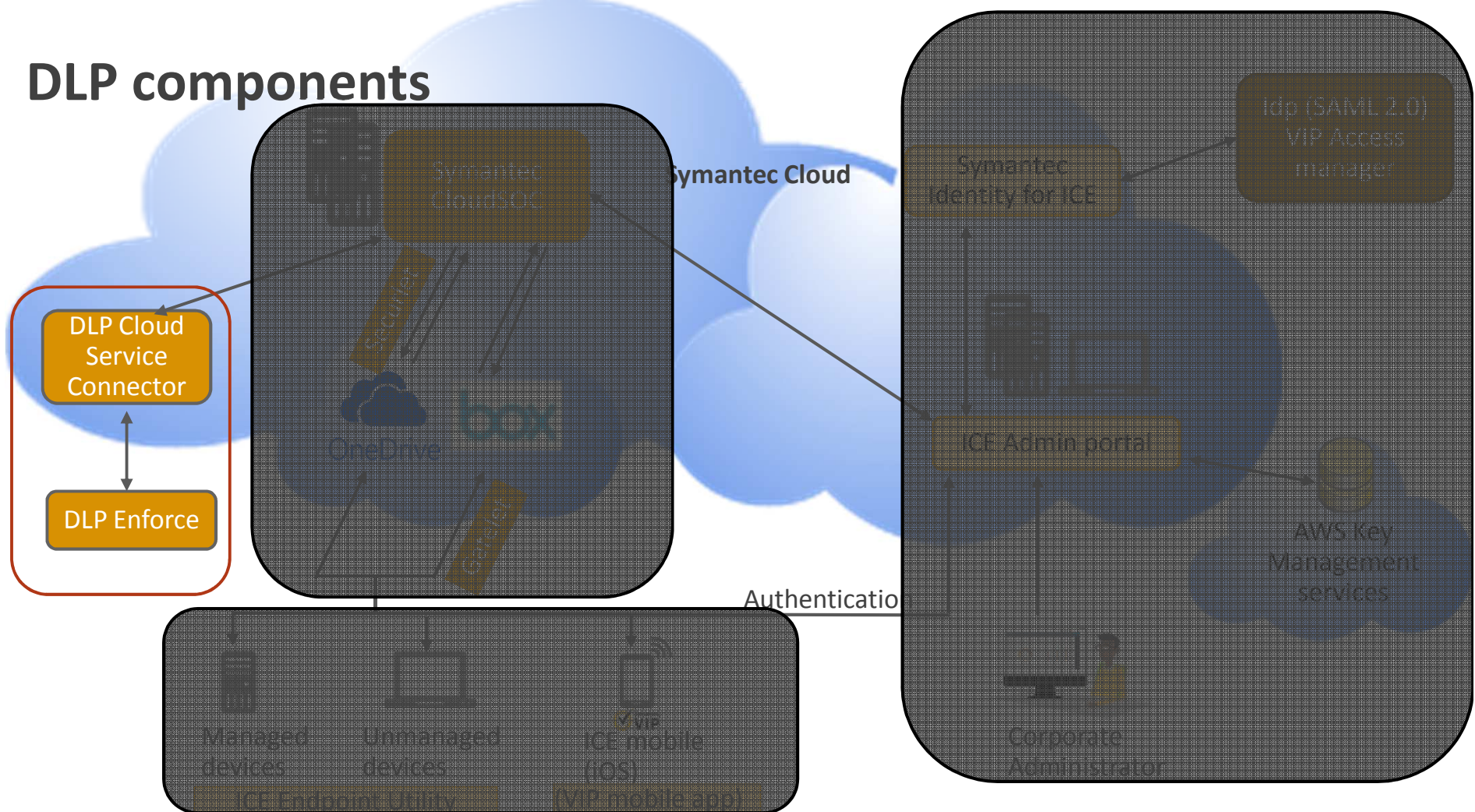
ICE architecture in context of ICS



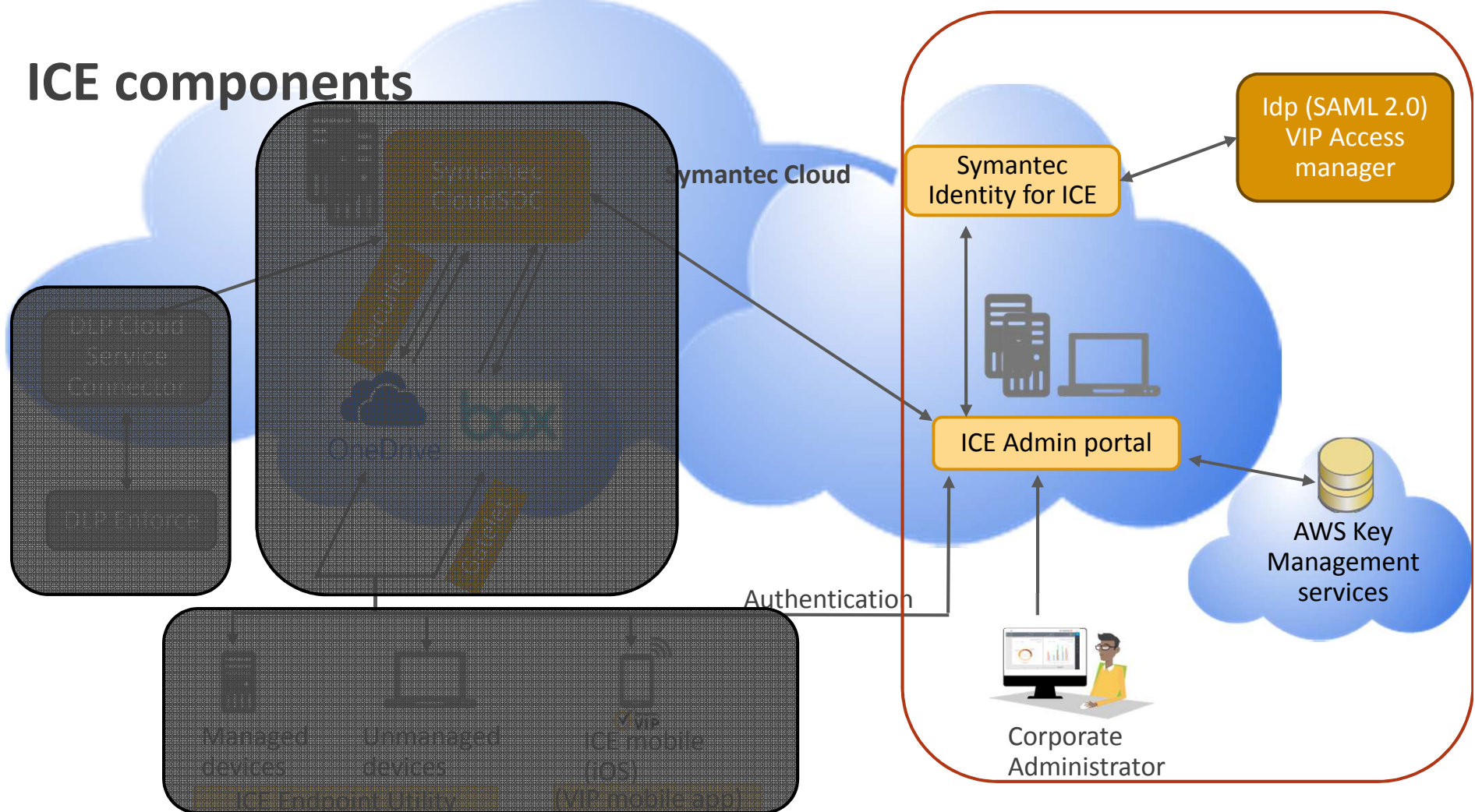
CloudSOC components



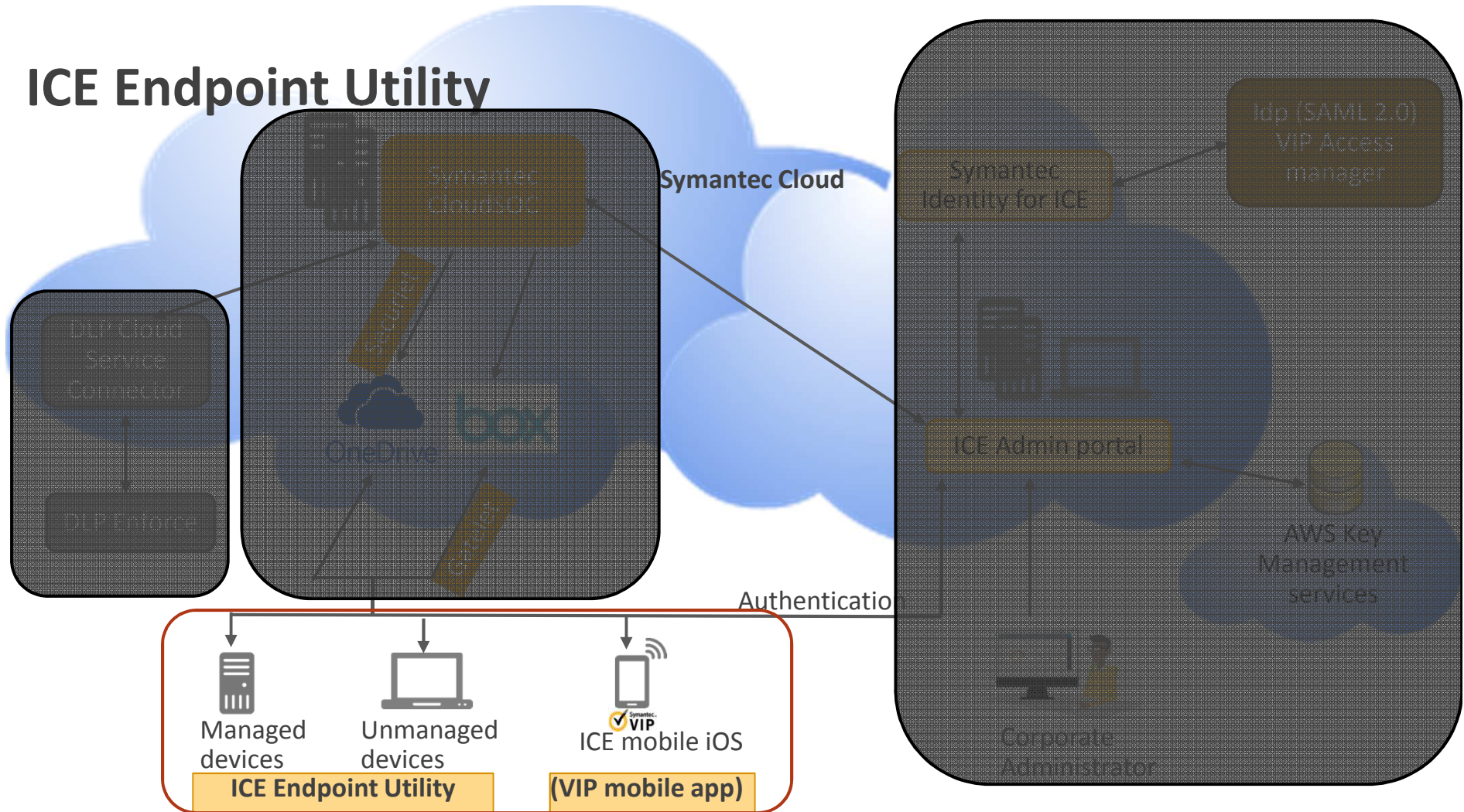
DLP components



ICE components



ICE Endpoint Utility



Context Aware Decryption

Managed Device (Employee)

- Open permissions by Default
- Favors usability of data
- Telemetry collected
- Admin can revoke rights

Pushed by IT admin to employee devices



Unmanaged Device (Partner/BYOD)

- Configurable permissions
- Favors security of data
- Content lock” features
- Telemetry on original file only

Available for download from Symantec website

Hardware and software supported in v101

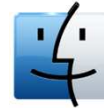
Cloud API apps

- Office365 OneDrive
- Box



ICE Endpoint Utility platform support

- Windows 7, 8, 8.1, 10
- Mac 10.10, 10.11, 10.12
- iOS 9.x, 10.x



Supported browsers

- **Admin portal** - Firefox, Chrome
- **Partner (receiving an encrypted file)** - Firefox, Chrome, IE, Safari, Edge



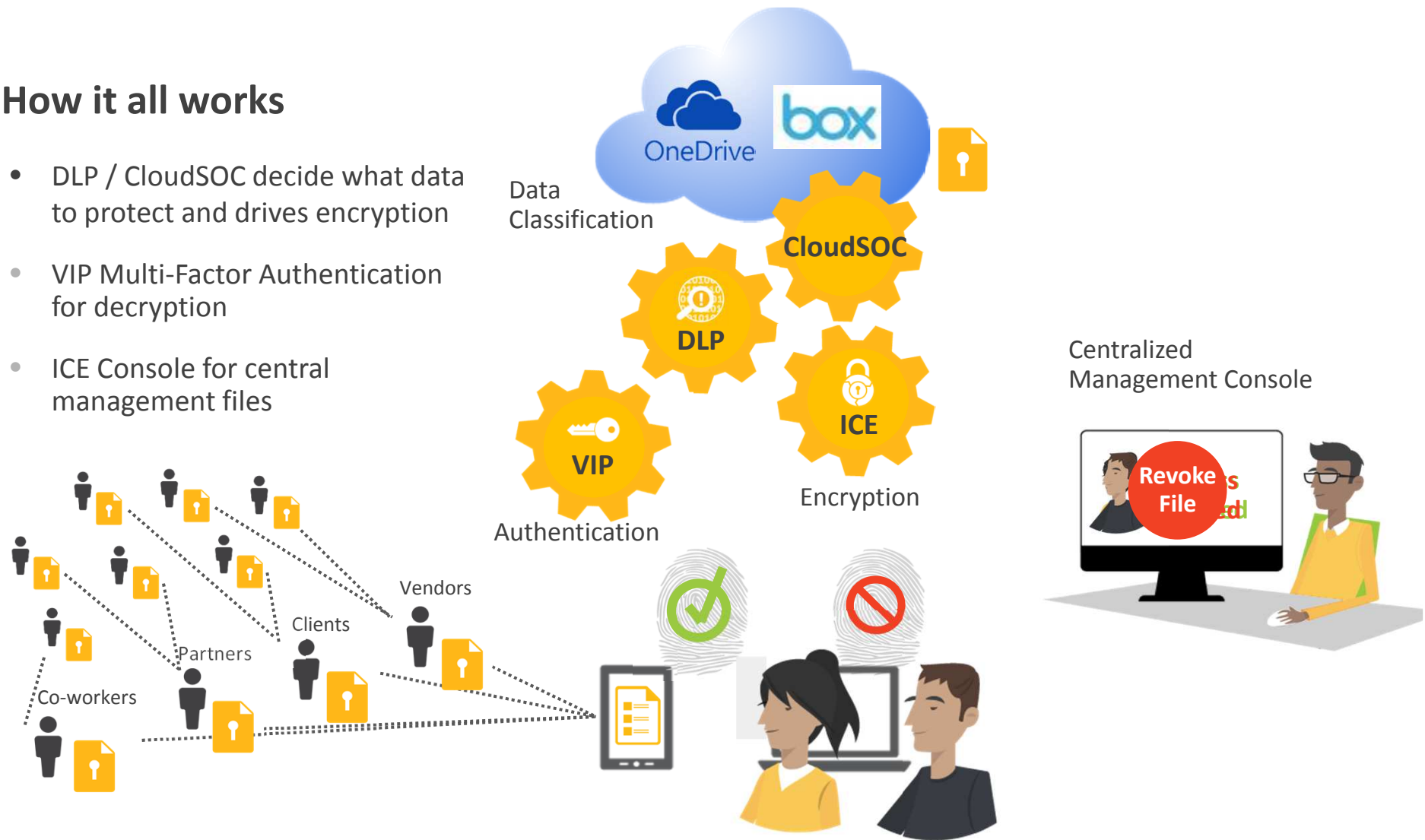
Symantec Information Centric Encryption

Demonstration



How it all works

- DLP / CloudSOC decide what data to protect and drives encryption
- VIP Multi-Factor Authentication for decryption
- ICE Console for central management files





Thank you!

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